614NGHH ebm-papst 24VDC 60x60x25mm 3.6W Axial Fan Datasheet

Brand: ebmpapst

SKU: 887278740551

Category: Axial & Centrifugal Fans

Price: **$41.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/614nghh-ebm-papst-24vdc-60x60x25mm-3-6w-axial-fan

Product Description

The ebm-papst 614NGHH is a compact DC axial fan designed for precision thermal management in space-constrained industrial environments. Engineered with ebm-papst's proprietary Sintec bearing architecture, this unit ensures reduced friction and enhanced longevity under continuous operation. The aerodynamic design of the fiberglass-reinforced PBT impeller optimizes air intake, delivering significant static pressure while maintaining structural rigidity. With a robust 3.6W motor drive, it effectively lowers thermal impedance in electronic assemblies, making it a reliable solution for critical cooling applications requiring stable airflow and durability.

Model Number: 614NGHH
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 28.0 VDC
Rated Current: 0.15 A
Power Consumption: 3.6 W
Rated Speed: 6850 RPM
Bearing Type: Sintec Sleeve Bearing System
Max. Air Flow: 33.0 CFM (56.0 m^3/h / 0.93 m^3/min)
Max. Static Pressure: 6.63 mmH_2O (65.0 Pa / 0.26 inH_2O)

Dimensions: 60 x 60 x 25 mm
Weight: 0.066 kg
Life Expectancy: 70000 hrs @ 20°C / 30000 hrs @ 60°C
Noise Level: 41 dB(A)
Housing Material: PBT Plastic, Fiberglass-reinforced (UL94V-0)
Impeller Material: PA Plastic, Fiberglass-reinforced (UL94V-0)
Termination: 2 Lead Wires (AWG 22, TR 64)
Operating Temperature: -20 to +70 °C
Mounting Orientation: Any
Ingress Protection: IP20
Motor Protection: Impedance Protected
Airflow Direction: Air Outlet Over Struts
Rotational Direction: Clockwise (Looking at Rotor)
Certifications: VDE, CSA, UL, CE

Designed for high-density electronic environments, the 614NGHH excels in dissipating heat from variable frequency drives and industrial inverters where reliable forced convection is mandatory. Its compact footprint allows for seamless integration into server rack modules, telecommunications power supplies, and automation control panels. The 614NGHH maintains optimal operating temperatures for sensitive components, preventing thermal throttling in CNC machinery electronics and medical instrumentation, thereby ensuring system stability during prolonged operational cycles.

Supplemental Images